

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) A distributing frame for mutually connecting optical connection lines, comprising:

    a plurality of optical connection lines ~~with single or multiple cores~~, wherein two ends of two connector plugs, with memory function units capable of performing, from the outside of said connectors, and without touching the same, writing-in and reading-out operations of identifying information from the same connector plugs are respectively connected;

    a plurality of plug boards mounted on the distributing frame;

    a plurality of adapters mounted separately on the plug boards and connected respectively to communication lines, for coupling to each of the connector plugs;

    a plurality of antennas positioned at the neighborhood of each of the adapters for, without contact, performing a writing-in operation into and reading-out operation of address information from the memory function unit when each connector plug is coupled to a desired adapter; and

    a data processing and display device, connected to a plurality of said antennas, comprising memory means for storing a wiring table showing a desired relationship between the information pertaining to said addresses of said adapters and said information pertaining to identification of the connector plugs, and display means proximate to each of the optical adapters for displaying desired parts of said information on the wiring table;

wherein said identification information of each connector plugs coupled to one adapters ~~chosen from said interactive structure~~ may be is displayed on the display means and stored in the memory means.

2. (Currently amended) A distributing frame according to claim 1, in which each of indicators are ~~mounted near each of the adapters in order to be~~ switched ON or OFF in accordance with desired timing, which switching is controlled by a signal from the data processing and displaying device.

3. (Previously presented) A distributing frame according to claim 2, further comprising means for displaying the indicators as two different colors – one “correct” color and the other a “possibly incorrect” color, said “possibly incorrect” color being lit precisely at the point of incorrect connection when considered in light of the desired interactive structure between said address information of said adapters and said identification information of the connector plugs.

4. (Currently amended) A distributing system for mutually connecting optical connection lines, comprising:

a plurality of optical connection lines with single or multiple cores, wherein two ends of each line are provided with connector plugs with memory function units capable of untouchably performing, from the outside thereof, writing-in operation and reading-out operation of identification information of the same connector plugs are respectively connected;

a plurality of plug boards mounted on the distributing frame;  
a plurality of receptacles, mounted separately on the plug boards and connected respectively to communication lines, for coupling to each of the connector plugs with memory function units capable of performing, from the outside thereof and without contact, writing-in operation and reading-out operations of address information of said receptacles;

a plurality of antennas positioned proximate to each of the receptacles for untouchably writing-in operation into and reading-out operation, without contact, of the address information from the memory function unit when each of the connector plugs is coupled to desired one of the receptacles; and

a data processing and display device, connected to a plurality of said antennas, comprising memory means for storing a wiring table showing desired mutual relationship between said addresses information of said receptacles and said identification information of the connector plugs, and display means proximate to each of the optical adapters for displaying desired parts of information on the wiring table;

wherein said identification information of each of the connector plugs coupled to one of said receptacles ~~specified from said interactive structure is~~ may be displayed on [[the]] display means and stored in the memory means.

5. (Currently amended) A distributing frame according to claim 4, in which indicators are ~~mounted proximate to each of the adapters or the receptacles in order to be~~ switched ON-OFF in accordance with desired switching timing, which is controlled by a control signal from the data processing and displaying device.

6. (Currently amended) A distributing frame according to claim 5, further comprising means for displaying the indicators as two different colors, one “correct” color and the other a “possibly incorrect” color, said “possibly incorrect” color being lit at the point of incorrect connection when considered in light of the desired [[interactive]] structure between [[said addressee]] address information of said receptacles and said identification information of the connector plugs.